

What is claimed is:

1. A flywheel assembly for transmitting torque comprising:
a flywheel;
a damper mechanism being configured to connect elastically said flywheel to a crankshaft of an engine in a rotational direction; and
a support member being configured to support and to position said flywheel on said crankshaft in a radial direction.
2. The flywheel assembly according to claim 1, wherein said flywheel is formed with a inner circumferential surface, and
said support member is formed with an outer circumferential surface opposing said inner circumferential surface in the radial direction.
3. The flywheel assembly according to claim 2, wherein said support member has a cylindrical support portion having said outer circumferential surface.
4. The flywheel assembly according to claim 3, further comprising a radial bearing disposed between said outer circumferential surface of said support member and said inner circumferential surface of said flywheel.
5. The flywheel assembly according to claim 4, wherein said radial

bearing is composed of a cylindrical member.

6. The flywheel assembly according to claim 5, wherein said radial bearing further includes a thrust bearing portion that extends radially outward from said cylindrical member.

7. The flywheel assembly according to claim 5, wherein said support member has a fix portion to be fixed to a tip of said crankshaft.

8. The flywheel assembly according to claim 7, wherein said fix portion is annular flat disc-like portion and said support portion extends in the axial direction from an edge of said fix portion.

9. The flywheel assembly according to claim 8, further comprising an inertia member separately formed from said support member.

10. The flywheel assembly according to claim 8, further comprising a fix member for fixing said support member and said inertia member to said crankshaft.

11. The flywheel assembly according to claim 10, wherein said support member contacts said inertia member to center said inertia member in the radial direction.

12. The flywheel assembly according to claim 3, wherein said support member has a fix portion to be fixed to a tip of said crankshaft.

13. The flywheel assembly according to claim 12, wherein said fix portion is annular flat disc-like portion and said support portion extends in the axial direction from an edge of said fix portion.

14. The flywheel assembly according to any of claims 1, further comprising an inertia member separately formed from said support member.

15. The flywheel assembly according to claim 14, further comprising a fix member for fixing said support member and said inertia member to said crankshaft.

16. The flywheel assembly according to claim 14, wherein said support member contacts said inertia member to center said inertia member in the radial direction.

17. The flywheel assembly according to claim 1, wherein said damper mechanism includes an input member attached to said crankshaft, said input member being independent of and separate from said support member.

18. The flywheel assembly according to claim 17, further comprising a fix member to fix said support member and said input member to said crankshaft.

19. The flywheel assembly according to claim 18, wherein said support member contacts said input member to center said input member in the radial direction.

20 The flywheel assembly according to claim 1, wherein said crankshaft has an annular protrusion having an outer circumferential surface, which supports an inner circumferential surface of said support member.